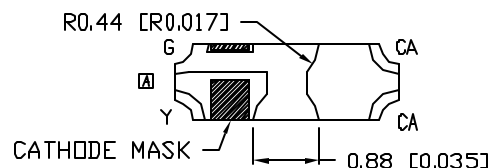
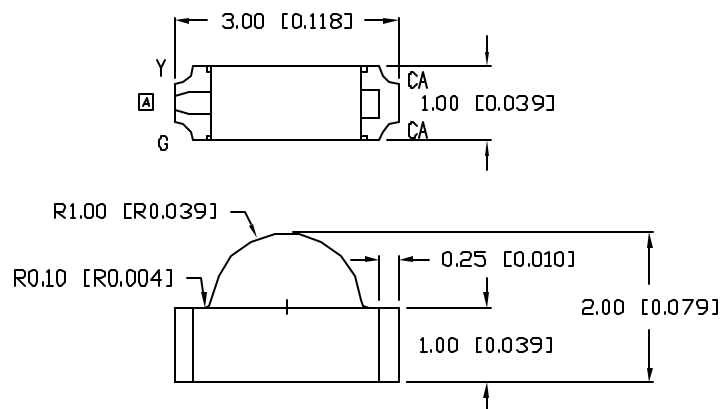
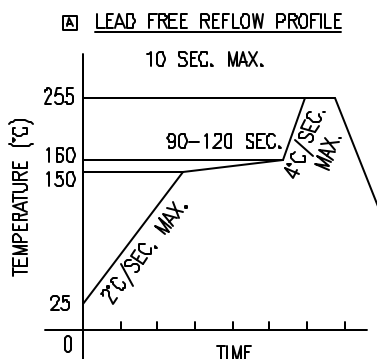
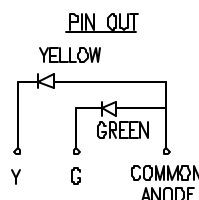


UNCONTROLLED DOCUMENT

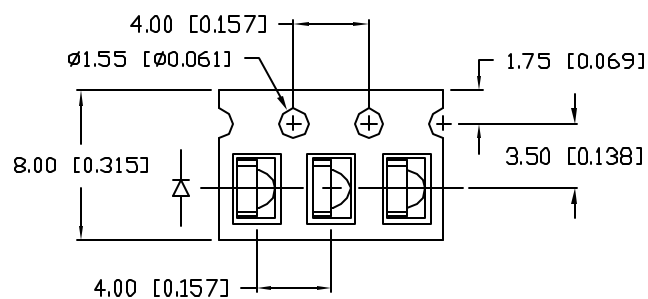


NOTES:

1. 2,000 PER REEL.

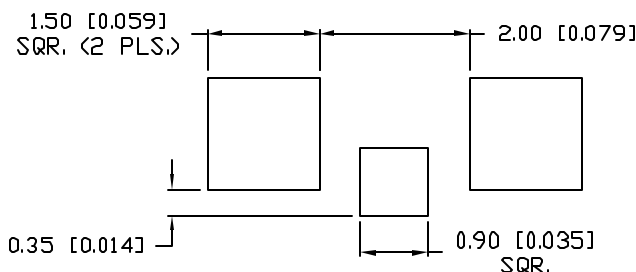


TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



TAPE FEED DIRECTION →

RECOMMENDED SOLDER PAD LAYOUT



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

SML-LXR851SYSUGCTR

SURFACE MOUNT RIGHT ANGLE LED, BICOLOR,
590nm YELLOW/574nm GREEN, WATER CLEAR LENS.

CONFIDENTIAL INFORMATION

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RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



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CHECKED BY:

APPROVED BY:

DATE: 9.16.04

PAGE: 1 OF 1

SCALE: N/A

PART NUMBER
SML-LXR851SYSUGCTR

REV.

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

A E.C.N. #11494 & 1148.

DATE

04.08.08

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590 (YELLOW)		nm	
		574 (GREEN)		nm	
FORWARD VOLTAGE (Y/G)		2.0/2.2	2.4/2.6	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY (Y/G)		50/20		mcd	I _f =20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:		YELLOW/GREEN			
EPOXY LENS FINISH:		WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		160	mA
STEADY CURRENT	(Y/G)	30/25	mA
POWER DISSIPATION		100	mW
DERATE FROM 25°C		-1.2	mW/°C
OPERATING TEMP.		-40 TO +85	°C
STORAGE TEMP.		-40 TO +85	°C

* $t < 10\mu\text{s}$

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Components Supply Platform

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